Patent Application

Right Classification Patent.

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Servent Title of Invertion
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gy Hegisch Title of leventien of mobilecommunication terminal user usernation.

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Applicant Code 4-2002-020456-0

& Earlie: Publication Petition

The respectfully submit on application under Article 42 of Patent Act, file a Requestion Examination under Article 50 of Patent Act, and request the present application to be provided as a first Patent Act, and request the present application to be provided as a first Patent Act, and the present application to be provided as a first Patent Act, and the patent Act,

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to be published under afficie of af Potent act. Agent Sebin Do ePs 28/ eon Albu Cho eHongoun, Ghin Greenig Cheop Internation at potent 8 low from (Signature)

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& Pequest for Examination

Purport

1. Summary - specification (drawing) 1-8 enrollment certificate. 1 darg.

Patent Specification

& Abstract

Absorae

The invention related to the method of outcomatically obtains of the information of anobile communications terminal user using the mobile confinunications terminal, and complete step of transmitting to the incidence terminal asserts in which step of requesting the information of the object in which step of requesting the information of the object in which step of requesting the information of the object in which step of requesting the information of the object in which step of requesting the information of mobile communications terminal uses are assed the appearent information in the residence certified and other of terminal in the address memory of the mobile communications terminal the information of the object. According to the insention, in case object permits the information opening requester, the information like the name, the tereorem purisher, the state of birth, the e-mail address etc. of object can be attained anytime simply in the mobile communications terminal of requester when its presents. To receive, the information including the self-introduction of object, photograph and morning picture etc. Can be at isolated, is received the interminal of the profit including into this service charge etc. Can be at isolated is large communications terminal.

💸 - Representative Dotaing





Drawing 1

Jodes Term

The mobile communications terminal and the information data asse

Specification

Title of Incention

stelling at automatically storing information of mobilecommunication terminal used/stelling at a transitional plant and a mobile communication terminal user).

Brief Description of the Draxings

Floure 1 is a block disprain which schematicals shows the gratem offence the cuto save service of the information of mobile communications terminal operation of the information of mobile communications terminal operation of the information of mobile communications terminal operations. mobile communications terminal according to the working example of the present invention

Figure 2 is an example diagram shooting the form displaying the information opening message of requester in the display of the mobile communications terminal of

Floure & is an example disgram phospha the form disgleying the information of paquester in the display of the mobile communications terminal of the autient.

Figure 4 is an example disgram phowing the jorn displaying the information of object in the display of the mobile communications terminal of regnester.

Figure 6 is an example diagram showing the information automatic store menu added to the telephone book menu of the mobile communications terminal according to a preferred embodiment of the present invention

The flowed out which archematically above the automatic observation of the information of mobile communications terrolled user using the mobile communications terminal according to the working example of the fig. System the invention

Figure 7 is a flowchart in which requester specifically explains the operation of the step of requesting the information of object it gass of the fig. 6.

Figure 3 is a flowchart which age officially so plains the step that the database of the information providing sever is to referred and certified at the fig. 5.

Figure 3 is a flow that which appearing the operation of the step of storing in the address memory of the makile communications terminal of requester the information of object of the fig. s.

- Description of the symbol of the main part of the drawings.
- 11. regulester 15: regulecter.
- 12, 14: USC/ESC/mobile switching center / base station controllers
- 13: Information provider center 13): Information providing server:
- 152; database 20° displas.
- 21, but to mean 22, reject mean.
- 23: Information Illustration meng 24: state menu
- 25' guidition at information illustration in eng.

The Detailed Description of Invention

The Purpose of Invention



Pisid of Invention and the Prior Set.

The invention relates to the method for automatically starting the information of the double communications tempinal uses by using the mobile communications terminal.

Sensially, the mobile communications terminal comparises the memory of stormy the information of opposent for example, the information including the telephone number of opposent, name atc. In order to offer the convenience of dialing. Observed in the upstones it is preceded anti-disting of the life matter of the opponent aveal in the memory of a neproceed the search of the telephone of observed in the opponent internation is included through method it trodes.

After user firstly uses the People' (aumenic key) of the mobile communications terminal and the first method lagars the telephone number. The hundron hey demanding the account of the companies of the contraction of the contraction of the contraction of the companies of the contraction of th accordingly liggits, imported these datas are assed.

As the method which the second method uses the voice recognition, the message that it inputs the voice which it registers if the priority user inputs the speech recognition enrollment key is marked. Thereafter, the storage of the coice is included effective congarison with the signal of the coice inputted through the voice light of about 2 trave limits). Theresiter, if the function key demansing the storing telephone namber is inputted, it inputs whether upor uses the keypod (the numeric key) of the mobile communications terminal and it makes the telegicine number, and name and storing telephone number. Inguited these dates are saved

in the described methods as described above, the difference of somewhat, order can have but the storage of inputted data (the telephone number and name) is exacts bedittases as bothern eith to beduiting digreneg

But in the gloose case, as shown in it is expirited, the inconvenience of to inputting a preparity of beleath order to store the information of apparent in the address memory of the mobile communications terminal and the problem that the time is required have. Moreover, in convention, it was saved as the information aboved in the memory like the name of appoinent, the telephone a umber, the e-mail address sty, only the basic hillorination in the memory, in the information for example, for example, the self introduction of apparent, photograph, the incring picture etc) of the besides, the discovantage of looking at had

Technical Penblums to be solved by the Bryentian

Problem to solved. And the object of the invention is to provide the method for automatically etoring additional information | looking at the self introduction, photograph and maximo alchue etc. in the mobile communication a terminal it connects with the boxic information like the name, the telephane number, the date of birth, the e-nucli address of oppopent to the server in which the self introduction of opponent, photograph and moving picture etc. is seved the serving key is pressed the entiritied fields landment a notice of appearant is imputted to the mobile communication atterminal

The term "information" used in this specification implies to include the basic information, and the URL information which connects to the cereor in cluding the telephone number of the mobile communications terminal of oppositent, date of lighth, and the e-mail address and name way to the URL information which connects to the server, the self introduction of opponent, and shatograph and moving picture are saved by naing the mobile communications terminal and looks at the self introduction, and not om of dissolutions entitle guivent bee algorithment





derecyer, the term 'requester' need in this specification implies the man storing the information of opponent in the address memory of its own mobile communications terminal, derecyer, 'object' inclies the man in which requests the information appealing, and 'requester' and 'object' acceptance limps the man isolating into the autore several entire inclination appears of the problem communications the inclination remained in this assertion to

The Structure and Function of the Invention Device)

To accomplish the spoke objects, the investion relates to the method of automatics by itselfing of the information of mobile communications terminal user using the mobile communications terminal. And the step of transmitting to the mobile communications terminal of requester the information of the step of transmitting to the mobile communications terminal has formation of the subject to the information of on the step of step of a st

derector, requester as to method is the step of requesting the information of object it uses the mobile communications terminal comprises the step of requesting the information of the subject the mobile communications terminal affectives and the step distinguish whether the information submatic store menu which submatically could store the information of the step of injuriting requester is the felephone number of the subject in the mobile communication of the subject was selected or not be connected to the information providing except.

hipreover, the stag that the database of the life motion providing server in which the information of mobile conniunications terminal near to ascend to referred so to need out and certified complies the step of transmitting the registration in exact to the step. Information providing server distinguish is order not to disclose the information at the subject to the requester which is not permitted whether requester was registered in the blacket of the antibect or not is the mobile communications terminal of the antibect registration incoming a given providing server is the outbed control authorization message to requester.

Horses, the step of storing in the address memory of the mobile communications terminal the information of the subject as to method comprises the step of storing in the address memory of the subject on manufactions terminal the minimation of the autiect and the step of displaying the displaying in the displaying to mobile communications terminal the information of the autiect transmitten from the information province verses requested inputs the assing key of the mobile communications terminal or not

toreover, we to method, the step of displaying in the display of the mobile communications terminal of requester the well introduction of the ambject and the step distinguish whether the additional information i illustration manusconic look of two extended guinets and photograph and making picture is instituted more requester is easyed in the information providing server.

thereover, the information as to method computes the basic information including the telephone number of the notice communications terminal of the subject, the date of birth, and the e-mail subjects and name and admitional information is which connects to the information providing server by using the mobile communications terminal and looks at the entirection of the employed several in the information providing server, and photograph and moving picture

vices were, the step of inputting requester as to method, is the telephone number of the subject in the mobile common leations terminal directly inputs the telephone number of the subject by using the ten her of the mobile communications terminal.

thereover, it is easilities canners, resunted on the mobile assummentations terminal of requester in the display of the mobile assummentations terminal of the subject and the step of inputting requester as to method, is the elephone number of the outpert in the mobile communications terminal gets the sides information of the paper information of the subject. The above information is the displayed in the display of the mobile communications terminal of the subject. The above information is described and the telephone number of the subject is patter from the video information and it inpute.

Moreover, as to method, requester have includes the step of transmitting the information proximing server is the largormation opening reject message to requester in the step it was registered in the planshot of the subject who did not permit the suto saye to the mobile communications terminal, requester is registered in the blocklist of the subject.

security behalf in retreeping to notisimise means at all breather to see the continuous to gets entirely revolutions.

Noteover, as to method, the registration message the short message or the long message. The authentication sufficient message the short message or the long message. And the information opening reject message furnermore the about message or the long message.

Herein after, referring to the figure, the working example of the present invention to explained apacifically.

Figure 1 is a blank diagram which schematically shows the system offering the auto save service of the information of makile communications terminal occasing to the working earlier in the present invention. Figure 2 is an example diagram shoking the form displaying the information opening message of requester in the display of the mobile communications terminal of the subject, Fig. 5 the example diagram showing the form displaying the information of requester in the display of the mobile communications terminal of the subject. Figure 4 is an example diagram showing the form displaying the information of object in the display of the mobile communications terminal of the subject. Figure 4 is an example diagram showing the form displaying the information of object in the display of the mobile communications terminal of requester.

in fig. 1, after the requester (11) imputs the telephone number of the object (15) fig using the mobile communications terminal (it does not show). If the soying key of the information production terminal in inputs, it connects through the SEC (15) to the information producing server (13) of the information produced control (15). Here, it to the method in to take is requester directly inputs the telephone number of the object (15) as the instable for orthog telephone number of the object (15) by asing the teakes (the number key) of the legiple of the mobile communications terminal (it does not allow).

Observer, the information the reference; 46 the discring 4) of the object 31% transmited from the information providing server (1812 is displayed through the display (29) of the mobile communications terminal of the requester (11). The requester (11) precess collection or the barjay by: (it does not show). In that way this information can be stored in the addisest memory of the mobile communications terminal the addisest information. Mustration mean (the reference 125 the displayed 4) is selected furthermore. In that way the information including the self information of the object 3 %, photograph, the moving picture etc. can be at looked through the display (26).

if in the information growing verser (131), the permenter (11) requests the **information** of the object (15), it refers to whether the obtaines (152) of the information providing server (131) is to referred and the requester (11) is registered in the blacklet (in other words, the permanent information registarity public exeming list of target people; of the object (15).

signsover, it in the information providing server (131), the requester (11) is registered in the black the object 이번, the information opening reject measage is transmitted with the mobile communications terminal (not illustrated) of the registered (11). If the requester (11) is not registered in the blacklist of the object (15), the registration measage asking the information open of the object (15) is transmitted with the mobile communications terminal (not illustrated) of the object (15).

Gorecter, If it penalts so that the object 0.9 disclose its associate maximum to the information of the information providing server (131) transmits the information of the object 0.9 with the income communications remained to at importance of the requester (11).

Furthermore, in the information providing server (131), the requester (11) or the object (15) connects to this server (131) by a sing the mobile communications terminal or the computer (if does not show), its confidentian can be decorated. For example, it specifically can state shout not only the letter introducing the magnetism to the self-introduction area but also its own lost, the paper etc. it annotances precipies and tooking picture etc. can be taked, it moreover wonto to disclose. Furthermore, in the information probability server (131), the populsi or star is offered to the specific generation. The first of accounts of services and scatar is decorated.

The registration messages to the expect (18) is transmitted from the information providing series (18)) through the NSC / BSC (14) to the mobile communications terminal and illustrated of the object (18).

if the registration message is a message received from the information possible server (131) to the mobile communications terminal of the object (15), message called "the requester (11) requested your information opening" is as shown in Figure 2 displayed in the display (20) of the mobile communications terminal of the object (10).





After the object (15) confirms this message, in case of not permitting the information opening request of the requester (11) in case of permitting the information opening request of the requester (1) the reject many (22) is selected. Someover, the object (1% as shown in Figure 2 velocity the information illustration menu (25). The time the requester (11) is any kind of menut many concentration which the information (30) of the displayed requester (11) is limited in the display (20). It is for example displayed only the basic information of the name, age, sec, the belongingness etc. of the requester (11) in the display (20) of the mobile communications terminal of the object (19).

In this way, the requester (1) uses the service which automatically states the information of the object (1%) in the mobile communications terminal of the requester (11). In that way the charge about the user information with exercise is estimated from the mobile telecom company (not illustrated) to the requester (11). The requester (11) gaps this carries sharps to the mobile telecom company and information provider center (1%) distribute the service charge.

Figure 5 is an example diagram showing the information automatic ators ment added to the telephone book ment of the proble communications terrainal according to a content of the freezent invention.

The mobile communications terminal the program in which the mobile communications terminal over thin the information automotic store man which if establishes, it automotically can store the information of opponent in the telephone book menu of the incolle communications terminal in the estation of the triple of the telephone number reserved menu, the recent calling number manu, the recent incollections terminal in the extention of the telephone number manu, the recent calling number manu, the recent received number manu, the recent calling number manu, the method for redestating telephone number manu, the method for redestating telephone number manu, the recent calling number manu, the method for redestating telephone number manu.

If this information automatic state mean is selected, mean is displayed to accepte in Figure 5 decorate the information automatic state mean, and the information state page 5 ethic mean and hisometric

As the ment which the information automatic store ment automatically stores the information of object, after this ment is selected, if requester inputs the telephone number of the ambiget to the mobile communications terminal and the saving less is present, the information of object is automatically saved in the mobile communications terminal of requester it will be helds made specifically explained about this.

As shown in mean is in the above expensioned to decorde the information, the mobile communications ferminal axer uses the mobile communications terminal and it connects to the information providing server (Figure 1 interprises 1 (31). The mean decorating to confinentials. Moreover, although not illustrated in the liquid, the mobile communications terminal aser uses communicate and it connects to the information providing ensemble. It references (181) and its own information can be decorated.

The information subsisces wetup menu comprises the menu to follows.

1 the automatic Hall is menul when in this menul, the opposited of other words, the requester (the reference 111 the drawing 1) requests the information opening of oneself (in other words, the object (the reference 115 the drawing 1)), the menul which clarge permittative information opening request of the requester (11).

2 the selection Him is ment. If only in this mean, the requester (11) requests the information opening of the object (13), the mean which the object (13) permits the information opening request of the requester (11) or it refuses, selects.

5, subquartion eject menus when in this menu, the requester (11) requests the information opening of the object (1%), the menus which sharps refuses the information opening request of the requester (11).

The flowchart which achiematically shows the automatic store operation of the information of mobile communications terminal user using the mobile communications terminal occupying to the working example of the lig. Solked the levention

in the fig. 4, requester requests the information of exject by using the mobile communications starbing (81 08). It is specifically expinited about two-step than fig. 7.

in case the information request of object has from requested to object sweet in the database (132) of the information providing cerver (131) is to referred in the information providing cerver (131). After distinguish whether requested was registered in the blackflist of object in order as to disclose the information of abject to the requester which was not permitted, the registration message for receiving the entire transmitting the information of object to requester is transmitted to the ampliest (8220). It is apacifically expended object to requester in the ampliest (8220). It is apacifically expended object to requester in the object to requester in the object to request of the object to the object to request of the object to request

45 Step SSOO, if the information providing server (131) receives a message the authentication authorization message permitting the release of information from the authorit, the lift amount of object is transmitted with the mobile communications terminal of requester.

The information of the object transmitted to the mobile communications terminal of regresser is stored in the orderes memory of the mobile communications terminal (9409). It is specifically explained about two-step than fig. 8,

Figure 7 is a flowchart which apecifically explains the operation of the step (\$100) where requester requests the information of object by using the mobile communications terminal of the Fig. 8.

in fig. 7, after requester inputs the talephone number of the cubject to the mobile communications terminal; the basing key of the mobile communications terminal is inputted (\$110) (\$120)

*t Step \$130, whether the information automaticistore menu in which requester automatically can store the information of object is selected or not distinguish. The information of object is stored according to the existing mode in the address memory of the mobile communication of terminal in case of not selecting the information automatic store menu (\$152).

At Step 8120, if the information sufformatic store mean is selected, the mobile communications terminal of requester is at Step 9131 connected to the information providing personant the information of edject to requested.

Figure 8 is a flowchart which appendiculty as piolate the step (\$200 in will in the detained of the information providing server late referred and certified of the flows.

In rig. 3, it firstly refers to the database (the reference : 102 the drawing 1) of the information opening server (131) and the information opening server (the reference : 161 the drawing 1) confirms whether requester was registered in the intacklist (in other words, the permanent information refusal to public opening list of target people) of object or not (9210)

at step 8210, in assert-quester is registered in the blacklist of object, the information opening server (131) transmits the information opening reject message with the mobile communications terminal of requester (8282).

41 Step 8210, in case requester is not registered in the biscolist of object, the information opening server (131) transmits the registration message with the mobile communications terminal or the subject (9221).

The object receiving a message this registration message confirms maskage called 'requester requests the disclosure of your information' as shown in figures 2 and 3 displayed in the mobile communications terminal of the subject in the display. In case moreover, object tries to look at the information of this requester, the information into the information of requester can be at looked (9231).

ार Step S241, divinguish whether object selects permission menu (the relerence 22) the diawing 2 and fig. 2) है। reject menu (the relerence 22 the diawing 2 and fig. 3) है। reject menu (the relerence 22 the diawing 2 and 6) reject menu (the relectable reject menu (the life that of object is shown for the figure 2 and 2, in case object selects the reject menu (the incommunications terminal of 180 percentage represents the blacklet of object is shown in a figure of 180 percentage of 180 percentages.

41 Step 8241, in case object selects permission mean (21), the information providing series (131) too make the authentication current attorn meassage with the mobile communications terminal of requester. The information of the object requesting is transmitted with the mobile communications terminal of requester (3251) (8800).

Figure 5 is a flowing training a specifically acpoints the operation of the step of storing in the address memory of the mobile communications terror of represented the information of object of the fig. 8.





In fig. 8. If the information of the object transmitted from the information opening server (1817 is a message received to the mobile communications terminal of requester (2410, the information of object stores in the address memory of the mobile communications terminal of requester (2420). This information is displayed in the singlay (3440).

At Step 3.440, distinguish whether it does for the object interester bode at the self introduction of object, photograph, the moving picture etc. and the additional information: illustration menu (the reference 12-the dresping 4 of the mobile communications terminal is selected, in case the additional information. Illustration menu (2016) as elected, the mobile communication is temperated by the mobile communication is the information problem, service 0.01). Requester can look at the self introduction of object, thirdograph, the moving picture etc. through the display of the mobile communication attended to requester (34.5 d).

In the shows preferred embodiment, it explained as the method in which requester directly injurited the telephone number of the xubject so the insthuction withing telephone number of object by Ising the tell key formers beging the keeped of the mobile communications terminal. However, it is not limited to that for example, the common requester is the mobile communication terminal of the embled in the despite of the mobile communications terminal of the emblect in the despite of the mobile communications terminal of the emblect in the despite of the mobile communications terminal of the embled. The video information of the embled heart bone information is gotten, and the mage of the video information is nextend in the last ico last column preal if projects as the histogram graph which is different at each number, appears the number of the adapted image as described above. The complete histogram graph of the histogram graph of the complete number as described above and number or compared. After the histogram graph of the standard above which is most similar are found, the annultude of the histogram graph of the standard above which is most similar are found, the annultude of the histogram graph of the standard preal the finance of the histogram graph of the despite of the histogram graph of the standard is described above which is most similar are found, the annultude of the histogram graph of the standard preal to the last took lost column place. The mage edge collected is described as the collected is described as the collected in the standard preal to the last took lost column place in the subject telling gotten and automotically imputing proceibles.

Effect of Invention (Device)

As described above, according to the invention. In case object permits the information opening request of requester, the information like the name, telephone number, data of billing the e-mail address etc of object can be attred anythms chappe in the mobile communications terminal of requester when requester wants, stareover, the information including the self information in the self information in the self information in the self information in the self-information in the

Furthermore. It has the effect that the profit including the service charge etc. can be occurred as the bay the subscriber joining into this period pays used the mobile communications terminal.

In the above, it discretely discretely executed to the specific preferred ambodingent but the invention is not limited to the above—described wouldn't example, and the invention does not excape the gist of the technical inapping of the insention in the patent claim having the normal invertedge in the technical field belonging of less than it grows and it variously differents will be able to implement.

- & Scope of Claim(s)
- 88 Claim [1]

As the medical guidametically atomic of the imported for the importance of the communications are unique to the communication of the co

The metrical for including the step of transmitting to the mobile communications terminal of requester the information of the step" shallot that the database of the information providing server and the step of storing in the address memory of the mobile communications terminal the information of the snighest. To the step of, step of requesting the information of the object in which has requester for to storing in the incollections terminal mobile communications to the mobile communication to storing in the information of mobile communication to the step of the mobile communication is to storic information of mobile communications terminal user are saved the opposite information is to referred agree of the storic information of mobile communications terminal user are saved the opposite information is to referred agree of the storic information of mobile communications terminal user are saved the opposite information is to referred agree of the storic information of mobile communications.

@ Claim [2]

The method for including in the step of requesting the information of object it uses, requested the step of inputing requester is the telephone number of it is subject in the mobile communications terminal and step of requesting the information of the antitect the mobile communications terminal and step of requester and the step distinguish whether the information automatic store menu as to the first claim. Step of requesting the information of the subject the mobile communications providing several to the information providing several to information of the subject.

👸 Claim [3]

The method for hydrighthe step of transmitting the regionation message to the step information providing server, and step of transmitting the step that the staget possibility server, and step of transmitting the step that the staget possibility and server is the entirentiation of the modern that the staget possibility are replaced in the staget of the providing server is the entirentiation of the information of modern communications terminal user is season to the creative message to the communication of the subject in order not to discuss the information of the subject to the creative was not permitted on the time modern communications terminal of the subject to the creative was not permitted on the time modern communications terminal of the subject.

The method for including the step of storing in the address memory of the mobile communications terminal the information of the subject as to the first claim, is the step of dispissing in the dispisy of the mobile communications terminal the information of the subject transmitted from the information providing server, sudjectives of stering in the address memors of the mobile communications ferminal the information of the subject and the step distinguish whether it inputs or not the symbol by of the mobile communications ferminal.

@ Claim [5]

The method for more including the step of displaying in the step by of the mobile communications terminal of requester the self-introduction of the mislect and the step distinguish whether the additional information is like stration means could book at was selected count, and photograph and moving plother requester is easied as to claim 4 in the information providing server.

🛞 - (Jakn [6]

The method for including basis information, and editional information i including the information, is the telephone number of the mobile communications terminal of the subject date of birth, and the semail address and same should claim as to one claim. Additional information i connects to the information providing server by using the mobile communication aterminal boxes at the best introduction of the subject asset in the information providing server, and photograph and moving picture.

The method which the step of injusting requester is the telephone number of the subject in the mobile communications terminal directly inputs the telephone number of the subject so to claim 2 by using the ten key of the mobile communications terminal.





85 Claim (8)

The method locking the comera mounted on the neibble communications terminal of requester in the sloping of the communications terminal of the subject and the sten of inputting requester in the telephone negative of the subject in the nobile communication terminal getting the video information of the back information of the subject as to claim 2, and for the class information being deciphered and the telephone number of the subject the line of the subject the first formation being deciphered and the telephone number of the subject being getter from the video information are determinated in inputting.

88 Claim 19

The method in which requester more in cycles the step of transmitting the information providing server is the information opening reject message to requester in the step it was registered in the blacklist of the subject who did not permit the auto save to the mobile communications terminal, requester is registered in the blacklist of the budget as to sixtup a.

🛞 - Claim [19]

The method for more including the step of confirming the subject is the information of requester as to claim by

88 Claim [11]

The registration message as to claim 6 the short message or the long message method.

88 Claise [12]

The authentication authorization mesoage as to obline a the about mesoage or the long message method.

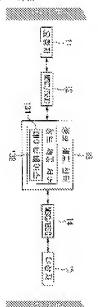
Claim [13]

The information opening reject message as to claim a the short message or the long message method.

S Crawling



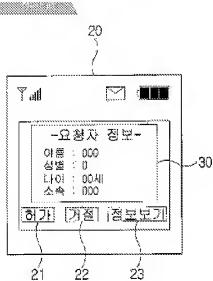
Consequence (S)

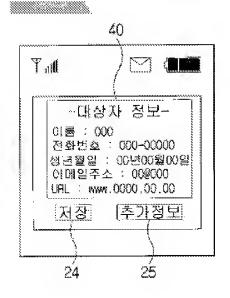






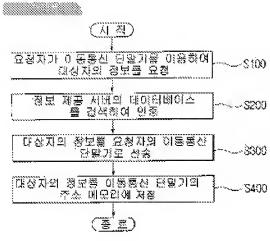


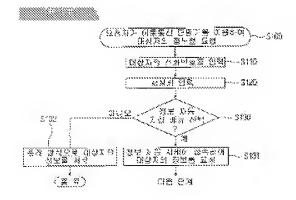
















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